

What is claimed is:

1. A vehicle with an attachment, said attachment comprising:
 - a lifting drive with at least one hydraulic cylinder and a control device;
 - said control device having a position sensor and a position generator;
 - said control device having a trajectory generator, which generates a trajectory in dependence of a desired position value and an acceleration limit, said trajectory being optimised with regard to a time specification; and
 - a follower, which controls the lift drive in dependence of the trajectory.
2. A vehicle according to claim 1, wherein the trajectory generator also takes at least one speed specification into consideration.
3. A vehicle according to claim 1, wherein the acceleration limit is adjustable.
4. A vehicle according to claim 1, wherein the time specification is adjustable.
5. A vehicle according to claim 1, wherein the control device has an inlet control and an outlet control for the cylinder.
6. A vehicle according to claim 5, wherein the outlet control has an electronic control.

7. A vehicle according to claim 6, wherein the outlet control has a flowmeter and a pressure sensor.

8. A vehicle according to claim 7, wherein the control device has a valve arrangement, which controls the outlet of the cylinder, and the outlet control forms an inverted model of the valve arrangement that uses flow and pressure.

9. A vehicle according to claim 8, wherein the transfer function of the trajectory to the inversed model results in the unit function.

10. A vehicle according to claim 1, wherein the outlet control has an estimation function, which uses a load pressure and is fixed in a control circuit.

11. A vehicle according to claim 1, wherein the follower is made to be adaptive.